

IN THE CLAIMS

Please add newly presented claims 21-25. Please amend the previously presented claims as follows:

1. (Currently Amended) In a video on demand system for supplying requested video data to a plurality of subscriber receivers, the improvement comprising:

a. a first processor having a first architecture optimized to perform a variety of computational tasks which spools said requested video data in response to said request;

b. a video server memory responsively coupled to said first processor in which said spooled requested video data is stored; and

c. a second processor having a second architecture different from said first architecture optimized to perform input/output operations responsively coupled to said video server memory and said subscriber receiver which streams said spooled requested video data from said video server memory to said plurality of subscriber receivers in a plurality of streams spaced apart by a predetermined time.

2. (Previously Presented) The video on demand system of claim 1 wherein video server said memory further comprises a Unisys CMP memory platform.

3. (Previously Presented) The video on demand system of claim 2 wherein said second processor further comprises an industry compatible, Windows NT based processor.

4. (Currently Amended) The video on demand system of claim 1 ~~1~~ 3 wherein said first processor further comprises a transaction server responsively coupled to said subscribing receiver and said video server memory.

5. (Original) The video on demand system of claim 4 wherein said requested video data further comprises MPEG-2 format.

6. (Currently Amended) An apparatus comprising:

a. two subscribing television receivers each of which providing a separate spaced apart service request for a video program;

b. A transaction processor having a first architecture responsively coupled to said two subscribing television receivers;

b c. A memory responsively coupled to said transaction processor having a copy of said video program in spooled form corresponding by said transaction processor in response to said service request; and

c d. A video processor having a second architecture different from said first architecture and optimized for efficiently performing input-output operations responsively coupled to said memory and said two subscribing cable television receivers which streams said spooled video program to said two subscribing television receivers as two separate spaced apart streams from said copy of said video program wherein said two separate spaced apart streams are spaced apart from each other by a time period which is greater than zero .

7. (Currently Amended) An apparatus according to claim 6 wherein said video processor comprises an industry compatible, Windows NT based processor.

8. (Original) An apparatus according to claim 7 wherein said memory comprises a Unisys CMP memory platform.

9. (Original) An apparatus according to claim 8 wherein said spooled video program further comprises MPEG-2.

10. (Currently Amended) An apparatus according to claim 6 ~~9~~
~~further comprising a wherein said first architecture of said~~
~~transaction server is optimized about a variety of processing~~
~~operations responsively coupled to said subscribing television~~
~~receiver and said memory.~~

11. (Currently Amended) A video on demand system comprising:

a. First requesting means for requesting a video on demand program at a first time;

b. Second requesting means for requesting said video on demand program at a later second time;

c. Transaction processing means having a first architecture optimized about a variety of processing operations responsively coupled to said first requesting means and said second requesting means for spooling said video on demand program;

c d. Storing means responsively coupled to said first requesting transaction processing means for storing a copy of said requested spooled video on demand program; and

d. Video processing means having a second architecture different from said first architecture and optimized about input/output processing responsively coupled to said storing means for streaming said requested video on demand program twice from said copy stored within said storing means at a first time

to said first requesting means and at a second and later time to
said second requesting means.

12. (Previously Presented) A video on demand system according to claim 11 wherein said first requesting means further comprises a subscriber box.

13. (Currently Amended) A video on demand system according to claim 12 wherein said streaming video processing means further comprises an industry standard personal computer.

14. (Original) A video on demand system according to claim 13 wherein said storing means further comprises a Unisys CMP memory platform.

15. (Currently Amended) A video on demand system according to claim 11 ~~14~~ wherein said transaction processing means further comprising comprises a transaction subsystem ~~responsively coupled~~ to ~~said first requesting means and said storing means for~~ spooling ~~said requested video on demand program into said storing~~ means and for managing archival storage of video streams in a hierarchical storage management system that is integrated with the management application and requires no manual intervention.

16. (Currently Amended) A method of providing video on demand services comprising:

- a. Generating a video on demand request from a first subscriber at a first time;
- b. Generating said video on demand request from a second subscriber at a second later time;
- c. Storing Spooling a single copy of a video program corresponding to said video on demand request by a transaction processor having a first architecture;
- d. streaming said corresponding video program from said single copy of said video program to said first subscriber at a third time by a video processor having a second architecture; and
- e. streaming said corresponding video program from said single copy of said video program to said second subscriber beginning at a time difference from and later than said third time by said video processor.

17. (Previously Presented) A method according to claim 16 further comprising:

- a. streaming said corresponding video program to said first subscriber at said third time and streaming said corresponding video program to said second subscriber at a fourth time if said difference between said second later time and said first time is greater than a predetermined interval.

18. (Currently Amended) A method according to claim 17 wherein said predetermined interval further comprises about one minute.

19. (Currently Amended) A method according to claim 17 ¹⁸ further comprising:

a. Fast forwarding said streaming to said first subscriber in response to a fast forward from said first subscriber.

20. (Currently Amended) A method according to claim 17 ¹⁹ wherein said processing step further comprises:

a. Performing subscriber accounting to enable billing said first subscriber for said video on demand request.

21. (New) A system for providing video on demand services comprising:

a. A subscriber receiver which requests a video program;

b. A transaction processor having a first architecture responsively coupled to said subscriber receiver which spools said video program in response to said video program request;

c. A memory responsively coupled to said transaction processor which stores said spooled video program; and

d. A video server having a second architecture different from said first architecture responsively coupled to said memory

and said subscriber receiver which streams said spooled video program from said memory to said subscriber receiver.

22. (New) A system according to claim 21 wherein said first architecture is optimized for a variety of transaction processing tasks.

23. (New) A system according to claim 21 wherein said second architecture is optimized for input/output processing.

24. (New) A system according to claim 21 A system according to claim 23 wherein said memory is a temporary memory for storage of said video program from said spooling to said streaming.

25. (New) A system according to claim 24 wherein said memory further comprises a Unisys CMP memory platform.